

Recombinant Human SPIRE2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPIRE2-4646H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPIRE2 MS Standard C13 and N15-labeled recombinant protein (NP_115827) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SPIRE2 (Spire Type Actin Nucleation Factor 2) is a Protein Coding gene. Diseases associated with SPIRE2 include Osteogenesis Imperfecta, Type II and Osteogenesis Imperfecta, Type I. Among its related pathways are TGF-Beta Pathway. Gene Ontology (GO) annotations related to this gene include actin binding. An important paralog of this gene is SPIRE1.
Molecular Mass	79.5 kDa
AA Sequence	MARAGSCGGAAGAGRPEPWELSLEEVLKAYEQPLNEEQAWAVCFQGCRGLRGS PGRRLRDTGDLRLRGDGSVGAREPEAAEPATMVVPLASSEAQTVQSLGFAIYRALD WGLDESEERELSPQLERLIDLMANNDSEDSGCGAADEGYGGPEEEEEAEGVPRSV RTFAQAMRLCAARLTDPRGAQAHYQAVCRALFVETLELRAFLARVREAKEMLQKLR EDEPHLETBRAELDSLGHDTWARLWVQLMRELRRGVKLVKQVEQEFNPLPTEFQLT PFEMLMQDIRARNYKLRKVMVDGDIPPRVKKDAHELILDFIRSRPPLKQVSERRLRPL PPKQRLHEKILEEIKQERRLRPVRGEGWAARGFGSLPCILNACSGDAKSTSCINLS VTDAGGSAQRPRPRVLLKAPTLEEMEMNTSEEEESPCGEVTLKRDRSFSEHDLAQ

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LRSEVASGLQSATHPPGGTEPPRPRAGSAHVWRPGSRDQGTCPASVSDPSHPLLS
 NRGSSGDRPEASMTDPDAKHLWLEFSHPVESLALTVEEVMDVRRVLVKAEMEKFLQ
 NKELFSSLKKGKICCCCRAKFPLFSWPPSCLFCKRAVCTSCSIKMKMPSSKKFGHIPV
 YTLGFESPQRVSAAKTAPIQRRDIFQSLQGPQWQSVVEAFPHIYSHGCVLKDVCSE
 CTSFVADVVRSSRSKSDVLTNTTPRRSRQTQSLYIPNTRTLDFKTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SPIRE2 spire type actin nucleation factor 2 [Homo sapiens (human)]
Official Symbol	SPIRE2
Synonyms	SPIRE2; spire homolog 2 (Drosophila); protein spire homolog 2; KIAA1832; spir 2; Spir-2; MGC117166;
Gene ID	84501
mRNA Refseq	NM_032451

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Protein Refseq NP_115827

MIM 609217

UniProt ID Q8WWL2

SDS-PAGE



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